SCH-E159
User's Guide

Important safety **precautions**

Failure to comply with the following precautions may be dangerous or illegal.

Drive safely at all times
Do not use a hand-held phone while driving. Park the vehicle first.

Switch off the phone when refuelling
Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

Switch off in an aircraft
Wireless phones can cause interference. Using them in an aircraft is both illegal and dangerous.

Switch off the phone near all medical equipment
Hospitals or health care facilities may be using equipment that could be sensitive to external radio frequency energy. Follow any regulations or rules in force.

Interference

All wireless phones may be subject to interference, which could affect their performance.

Be aware of special regulations

Meet any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

Water resistance

Your phone is not water-resistant. Keep it dry.

Sensible use

Use only in the normal position (held to the ear). Avoid unnecessary contact with the antenna when the phone is switched on.

Emergency calls

Key in the emergency number for your present location, then press [ ].

Keep your phone away from small children

Keep the phone and all its parts, including accessories, out of the reach of small children.

Accessories and batteries

Use only Samsung-approved accessories and batteries. Use of any unauthorised accessories could damage your phone and may be dangerous.

- The phone could explode if the battery is replaced with an incorrect type.
- Dispose of the used batteries according to the manufacturer's instructions.

Use of authorised software

Use only Samsung-authoriesed software. The use of any unauthoriesed software could damage your phone.

Qualified service

Only qualified service personnel may repair your phone.

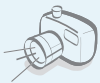
For more detailed safety information, see "Health and safety information" on page 81.

About this Guide

This User's Guide provides you with condensed information about how to use your phone. To quickly learn the basics for your phone, please refer to "Getting started" and "Step outside the phone"

In this guide, the following instruction icons appear:

☑	Indicates that you need to pay careful attention to the subsequent information regarding safety or phone features.
▸	Indicates that you can get more information on the referenced page.
→	Indicates that you need to press the Navigation keys to scroll to the specified option and then select it.
[ ]	Indicates a key on the phone. For example, [ ]
< >	Indicates a soft key, whose function is displayed on the phone screen. For example, <**Menu**>



- **Camera and camcorder**
  Use the camera module on your phone to take a photo or record a video.

Special features of your phone

- **Web browser**
  Access the wireless web to get up-to-the-minute information and a wide variety of media content.

- **Media player**
  Play media files using your phone.

- **Get personal with photo caller ID**
  See who's calling you by her or his very own photo.

- **Name card**
  Create name card with your number and profile. Whenever introducing yourself to others, use this convenient name card.

- **E-mail**
  Send and receive e-mails with images, sounds, name cards, and applications.

- **Melody composer**
  Make your own melodies for your phone.

- **Remote controller**
  Control TVs or DVD players remotely with your phone.

- **Memory disk**
  Connect your phone to a computer to copy files directly to and from it.

- **Organiser**
  Keep track of your daily, weekly, and monthly schedule.

- **Voice recorder**
  Record voice memos or sounds.

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Unpack

Make sure you have each item

Phone

Travel Adapter

Battery

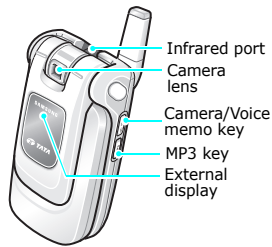
User's Guide

You can obtain various accessories from your local Samsung dealer.

The items supplied with your phone and the accessories available at your Samsung dealer may vary, depending on your country or service provider.

Your phone

Buttons, features, and locations



Get started

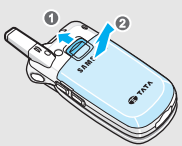
First steps to operating your phone

UIM card information

When you subscribe to a cellular network, you receive a plug-in UIM (User Identification Module) card loaded with your subscription details, such as your PIN, and available optional services.

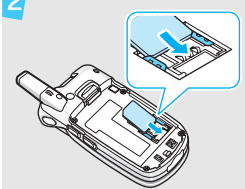
Install and charge the phone

1 Remove the battery.



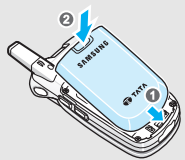
☑ If the phone is already on, first turn it off by holding [ ].

2 Insert the UIM card.

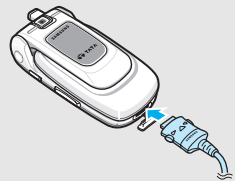


☑ Make sure that the gold-coloured contacts on the card face down into the phone.

3 Install the battery.



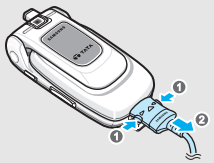
4 Plug the travel adapter into the phone



5 Plug the adapter into a standard AC wall outlet.

6 When the phone is completely charged (the battery icon becomes still), unplug the adapter from the power outlet.

7 Remove the adapter from the phone.



Low battery indicator

When the battery is low:

- a warning tone sounds,
- the battery low message displays, and
- the empty battery icon blinks.

If the battery level becomes too low, the phone automatically turns off. Recharge your battery.

Power on or off

Power on Do not turn on the phone when mobile phone use is prohibited.	1. Open the phone. 2. Press and hold [ ] to turn on the phone. 3. If necessary, enter the PIN and press <**OK**>.
Power off	1. Open the phone. 2. Press and hold [ ].

Keys and displays

Keys

	Perform the function indicated on the bottom line of the display.
	In Idle mode, access the following menus directly. • Up: My Menu Item • Down: **I.Beam** • Left: **VOD** • Right: **messages** In Menu mode, scroll through menu options.
	In Idle mode, access the **TATA Zone** menu.
	Send or answer a call. In Idle mode, retrieve the recent numbers dialled, missed, or received.
	Delete characters from the display. In Menu mode, return to the previous menu level.
	End a call. Press and hold to switch the phone on and off. In Menu mode, cancel input and return the phone to Idle mode.
	Enter numbers, letters, and some special characters. In Idle mode, press and hold [**0**] to launch the web browser.
	Enter special characters. In Idle mode, press and hold [#] to activate or deactivate Silent mode.

	Adjust the volume. In Idle mode, with the phone open, adjust the keypad tone volume. With the phone closed, turn on the external display.
	In Idle mode, access the **Camera** menu or turn on the camera when held down. In Camera mode, take a photo or start recording a video. During a call, record your conversation when held down.
	In Idle mode, access the **MP3** menu. Play music files in the play list when held down. During a call, activate or deactivate the noise cancellation feature.

Display

Layout

The display has three areas.

Icons
display various icon.

Text and graphics
display messages, instructions, and information you enter.

Soft key function indicators
show the current functions assigned to the two soft keys.

Icons

- Received signal strength
- Roaming
- Call in progress
- Out of your service area; you cannot send or receive calls
- Restriction on
- Lock mode

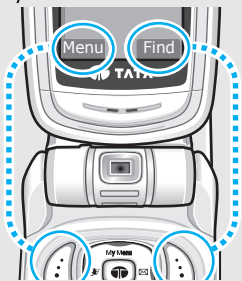
Icons (continued)

- New e-mail in server
- New e-mail in Inbox
- Urgent SMS message
- New SMS message
- New voicemail
- New web alert
- Alarm set
- Ringer type setting ▶ p. 53
  - : Ringer only
  - : Silent
  - : 1 Beep
  - : Vibration
  - : Vib. & ringer
  - : Vib. then ringer
  - : Ringer then vib.
- Silent mode ▶ p. 13
- Battery power level

Access menu functions

Use the soft keys

The roles of the soft keys vary depending on the function you select. The bottom line of the display indicates their current role.



Press the left soft key to access Menu mode.

Press the right soft key to access **Find**.

Select an option	1. Press the appropriate soft key. 2. Press the Navigation keys to move to the next or previous option. 3. Press <**Select**>, <**OK**>, or <**Save**> to confirm the function displayed or option highlighted. 4. To exit, choose either of the following methods: • Press [**CLR**] to move up one level. • Press [ ] to return to Idle mode.

Use shortcuts	Press the number key corresponding to the option you want.
Use My Menu	You can set up a menu of your own using your favourite menu items, which can then be accessed by specific number keys. Once you have set up your favourites, you can easily and quickly access them. ▶ p. 21

Customise your phone

Display language

1. In Idle mode, press <**Menu**> and select **Display** → **Language**.
2. Select a language.

Call ringer melody

1. In Idle mode, press <**Menu**> and select **Sounds** → **Ring tones**.
2. Press [Down] and press [Left] or [Right] to scroll to a ringer category.
3. Press [Up] or [Down] to scroll to a ringer melody.
4. Press <**Play**> to listen to a melody.
5. When you find the melody you want, press <**Save**>.

Wallpaper for Idle mode

You can set wallpaper for the idle screen using various pictures.

1. In Idle mode, press <**Menu**> and select **Display** → **Image box** → **Wallpaper**.
2. Select an image category.
3. Select an image.

Menu style

You can change the display style of the main menu screen.

1. In Idle mode, press <**Menu**> and select **Display** → **Menu style**.
2. Select the style you want.

Silent mode

You can switch the phone to Silent mode to avoid disturbing other people.

Press and hold [#] in Idle mode.

Phone lock

You can protect the phone against unauthorised use with a phone password. The phone will require the password on power-up.

1. In Idle mode, press <**Menu**> and select **Settings** → **Security**.
2. Enter the default password, **00000000**, and press <**OK**>.
3. Select **Change code**.
4. Enter a new 4- to 8-digit password and press <**OK**>.
5. Enter the new password again and press <**OK**>.
6. Select **Lock mode**.
7. Select **On** or **Once**.

Make/Answer calls

Make a call

1. Enter an area code and phone number.
2. Press [ ].
3. To end the call, press [ ].

Answer a call

1. When the phone is ringing, open the phone or press [ ].
2. To end the call, press [ ] or close the phone.

Adjust the volume during a call

Press [/].

Step outside the phone

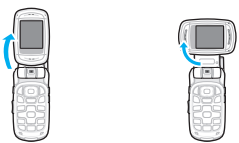
Begin with your camera, music, web, and other special features

Use the camera

Take a photo

1. In Idle mode, press and hold [ ] to turn on the camera.

   Alternatively, rotate the display to view a wide image.



2. Adjust the image by rotating the camera lens and aiming it at the subject.
3. Press the right soft key or [ ] to take a photo.
4. Press <**Save**>.

View a photo

1. In Idle mode, press [ ] and select **My album**.
2. Press [Up] or [Down] to scroll to a photo.
3. Press <**Expand**>.

Record a video

1. In Idle mode, press and hold [ ] to turn on the camera.
2. Press <**Menu**> and select **Video cam**.
3. Press < > to start recording.
4. Press < > to stop recording.
5. Press <**Save**>.

Play a video

1. In Idle mode, press [ ] and select **My album**.
2. Press [Left] or [Right] to select **Vcam**.
3. Press [Up] or [Down] to scroll to a video clip.
4. Press <**Select**>.

Play MP3

Copy MP3 files to the phone

Use these methods:

- Download from the wireless web. ▶ p. 63
- Copy directly from a computer. ▶ p. 67

Create the play list

1. In Idle mode, press [**MP3**] and select **My files**.
2. Press <**Menu**> and select **Add to play list**.
3. Press <**Check**> to select files.
4. Press <**Add**>.
5. Press <**Play**> to play music.

Play MP3 music

1. In Idle mode, press and hold [**MP3**].
2. During playback, use the following keys:
   - [ ]: pauses or resumes playback.
   - [Up]: changes the repeat mode.
   - [Down]: accesses the play list.
   - [Left]: moves back to the previous file. Moves backward in a file when held down.
   - [Right]: skips to the next file. Moves forward in a file when held down.
   - [▲/▼]: adjust the volume.
   - <**MENU**>: opens the options list.
   - <**A-B**>: sets a section in a file to play the section repeatedly.

Use melody composer

Create a melody

1. In Idle mode, press <**Menu**> and select **do mOre** → **Melody composer** → **Compose melody**.
2. Move the selection point up or down.
3. Press <**Input**>.
4. Select a note or rest.

Create a melody (continued)

5. Repeat steps 2 to 4 to add more notes and rests.
6. Press <**Option**> and select **Save**.
7. Enter a melody name and press <**OK**>.

Play a melody

1. In Idle mode, press <**Menu**> and select **do mOre** → **Melody composer** → **My melodies**.
2. Scroll to the melody you want and press <**Play**>.

Browse the web

Using a built-in web browser, you can get easy access to the wireless web to get a variety of up-to-date services and information and to enjoy downloads of web content.

Launch the web browser

1. In Idle mode, press [ ].

Navigate the web

- To scroll through browser items, press the Navigation keys.
- To select an item, press [ ].
- To return to the previous page, press [**CLR**].
- To return to the homepage, press and hold [**CLR**].
- To use browser options, press <**Menu**> and select **Menu**.

Use Phonebook

Add an entry

To the phone's memory:

1. In Idle mode, enter a phone number and press <**Save**>.
2. Enter a name and press <**OK**>.
3. Press [Right] and select a number type.
4. Specify entry information: Mobile, Home, Office, Pager, Fax, Image, E-Mail1, E-Mail2, URL, Group, Ringer, and ETC.
5. Press <**Save**> to save the entry.

To the UIM card:

1. In Idle mode, enter a phone number and press <**Save**>.
2. Enter a name and press <**OK**>.
3. Press <**Save**> to save the entry.

Find an entry

1. In Idle mode, press <**Find**>.
2. Select an entry.
3. Scroll to a number and press [ ] to dial, or <**Menu**> to edit entry information.

Create and send a name card

1. In Idle mode, press <**Menu**> and select **Phonebook** → **Name card** → **My name card.vcf**.
2. Press <**Option**> and select **Edit**.
3. Specify your entry information.
4. Press <**Save**> to save the name card.

Send/View messages

Send a text message

1. In Idle mode, press <**Menu**> and select **Messages** → **Text msg.** → **Write**.
2. Enter the message text and press <**OK**>.
3. Press <**Save**>.
4. Enter destination numbers.
5. Press <**OK**> to send the message.

View a text message

When a notification appears:

Press <**Select**>. The message displays.

From the Inbox:

1. In Idle mode, press <**Menu**> and select **Messages** → **Text msg.** → **Inbox**.
2. Select **Phone** or **Card**.
3. Select a message.

Access voice mails

When a notification appears:

1. Press [ ]. The phone access the voicemail center.
2. Follow the instructions from the system.

From the Inbox:

1. In Idle mode, press <**Menu**> and select **Messages** → **Text msg.** → **Voice mail**.
2. Follow the instructions from the system.

Use My Menu

Set up My Menu item access

1. In Idle mode, press and hold <**Menu**>.
2. Scroll to a location and press <**Menu**>.
3. Select **Register**.
4. Scroll to the menu you want and press <**Regist**>.
5. Scroll to an icon for the item and press <**Save**>.

Access My Menu item

1. In Idle mode, press and hold <**Menu**>.
2. Select the item you want.

Enter text

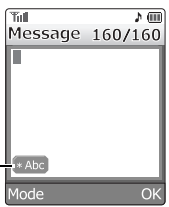
ABC, T9 Word, 123, and Symbol mode

You can enter text for some features such as messaging, Phonebook, or Organiser, using ABC mode, T9 Word mode, 123 mode, and Symbol mode.

Changing the text input mode

Example: Writing a text message

1. In the text entry screen, press <**Mode**>.
2. Select the mode you want.



Using ABC mode

Press the appropriate key until the character you want appears on the screen.

Key	Characters in order displayed	
	Upper case	Lower case
1	. @ - _ / : ~ ? , 1 ; ' ( ) ! # % & * < > + = " \ { } $ [ ]	
2	A B C 2	a b c 2
3	D E F 3	d e f 3
4	G H I 4	g h i 4
5	J K L 5	j k l 5
6	M N O 6	m n o 6
7	P Q R S 7	p q r s 7
8	T U V 8	t u v 8
9	W X Y Z 9	w x y z 9
0	0	

Tips for using ABC mode

- To enter the same letter twice or to enter a different letter on the same key, wait for the cursor to move to the right automatically or press [Right]. Then, enter the next letter.
- Press [#] to insert a space.
- Press [*] to change case. Initial capital (**Abc**), Lower case (**abc**), and Capital lock (**ABC**) are available.
- Press the Navigation keys to move the cursor.
- Press [**CLR**] to delete characters one by one. Press and hold [**CLR**] to clear the characters on the left side of the cursor.

Using T9 Word mode

T9 is a predictive text input mode that allows you to key in any character using single keystrokes.

Entering a word in T9 Word mode

1. Press [**2**] to [**9**] to start entering a word. Press each key once for each letter.

   Example: Press [**4**], [**3**], [**5**], [**5**], and [**6**] to enter *Hello*.

   T9 predicts the word that you are typing, and it may change with each key that you press.
2. Enter the whole word before editing or deleting the characters.
3. When the word displays correctly, go to step 4. Otherwise, press [**0**] to display alternative word choices for the keys that you have pressed.

   For example, *Of* and *Me* use [**6**] and [**3**].
4. Press [#] to insert a space and enter the next word.

Tips for using T9 Word mode

- Press [**1**] to enter periods or apostrophes automatically.
- Press [*] to change case. Initial capital (**T9 Word**), Lower case (**T9 word**), and Capital lock (**T9 WORD**) are available.
- Press the Navigation keys to move the cursor.

- Press [**CLR**] to delete characters one by one. Press and hold [**CLR**] to clear the characters on the left side of the cursor.

Using 123 mode

123 mode enables you to enter numbers. Press the keys corresponding to the digits you want.

Using Symbol mode

Symbol mode enables you to enter symbols.

1. Press [Left] or [Right] to display more symbol sets.
2. Press the keys corresponding to the symbol you want.

Call functions

Advanced calling features

Making a call

1. In Idle mode, enter the area code and phone number.
2. Press [ ].

- Press [**CLR**] to clear the last digit or press and hold [**CLR**] to clear the whole display.
- Press <**Pause**> to enter a pause between numbers.

Redialling recent numbers

1. In Idle mode, press [ ] to display the list of recent numbers.
2. Scroll to the number you want and press [ ].

Making a call from Phonebook

Once you have stored a number in Phonebook, you can dial the number by selecting it from Phonebook. ▶ p. 30

You can also use the speed dial feature to assign number keys to your most frequently called numbers. ▶ p. 33

Ending a call

Close the phone, or press [ ].

Answering a call

When you receive an incoming call, the phone rings and displays the incoming call image.

Press [ ] to answer the call.

Tips for answering a call

- Depending on the setting in the **Answer mode** menu, you can press any key, except for the soft keys, [▲/▼], and [ ], or just open the phone to answer a call. ▶ p. 75
- Press <**Reject**> or [ ], or press and hold [▲/▼] to reject a call.
- Press <**Silent**> or [▲/▼] to mute the ringer.

Viewing missed calls

If you have missed calls, the screen displays the number of the calls and the phone number of the last call.

Press [ ] to dial the displayed number.

Press the right soft key to access the missed call log list.

Using the headset

Use the headset to make or answer calls without holding the phone.

Connect the headset to the jack on the left side of the phone.

The button on the headset works as listed below:

To	Press
redial the last call	the button twice.
answer a call	and hold the button.
end a call	and hold the button.

Options during a call

You can access a number of functions during a call.

Adjusting the volume during a call

Use [▲/▼] to adjust the earpiece volume during a call.

Press [▲] to increase the volume level and [▼] to decrease the volume level.

Answering a second call

If you have subscribed to the call waiting service, you can answer another call during a call.

1. Press [ ] to answer a second call. The first caller is placed on hold and you are connected with the second caller.
2. Press [ ] again to switch between the calls.

Making a three-way call

If you have activated three-way calling service, you can have a conversation with two people simultaneously.

1. During a call, press [ ] and make another call. The first caller is placed on hold.
2. Press [ ] to begin the three-way call.

Recording your call conversation

You can record your conversation during a call. Press and hold [ ] to start recording. ▶ p. 71

Using In-call options

During a call, press <**Menu**> to access the following options:

- **Private loud speaker**: turn on the speakerphone feature or switch back to Normal mode.
- **Voice mute**: switch off the phone's microphone so that the other person on the phone cannot hear you.
- **Key mute**: switch the key tones off.
- **Voice memo**: access the **Voice memo** menu. ▶ p. 71

- **Noise cancellation**: activate the noise cancellation feature, which removes noise from your surroundings so that the other person on the phone can hear you more clearly.
- **Calls**: access the **Calls** menu. ▶ p. 27
- **Phonebook**: access the **Phonebook** menu. ▶ p. 30
- **Text msg.**: access the **Text msg.** menu. ▶ p. 49

Menu functions

All menu options listed

Calls *(Menu 1)*

Use the **Calls** menu to access call logs, view the duration of calls, and set options for call functions.

To access this menu, press <**Menu**> in Idle mode and select **Calls**.

Missed *(Menu 1.1)*

This menu displays the most recently received calls that you did not answer.

Accessing a call record

1. Select a call.
2. Press [ ] to dial the number or <**Menu**> to access options.

Using call record options

While viewing call details, press <**Menu**> to access the following options:

- **Talk**: dial the currently selected number.
- **View phonebook**: display the saved Phonebook information.
- **Save**: save the number to Phonebook.
- **Edit**: edit the number to dial or save it.
- **Erase**: erase the call record.
- **Send msg.**: send a message to the selected number.
- **Send MMS**: send a picture message to the selected number.

While viewing the list of calls, press <**Menu**> to access the following options:

- **Erase**: erase the call record.
- **Erase all**: erase all call records.

Dialled *(Menu 1.2)*

This menu displays the most recent calls you have dialled.

Received *(Menu 1.3)*

This menu displays the most recent calls you have received.

Air time *(Menu 1.4)*

This menu displays the time log for voice calls you have made or received. You can also check the time log for data calls. Actual time invoiced by your service provider will vary.

☑ This feature is not intended to be used for billing purposes.

- **Last call**: display the air time of the last voice or data call.
- **Total**: display the number of all voice calls and data calls and the total duration of the calls.

- **Erase total**: erase the air time measurement and reset the air time counter.
- **Life time**: display the number and total duration of all calls since the phone was shipped from the factory.

Call forwarding *(Menu 1.5)*

This network service allows incoming calls to be forwarded to another number.

☑ Contact your service provider to check this service's availability.

Settings the call forwarding feature

1. Select a type of call forwarding.
   - **Immediate**: calls are forwarded immediately when they are received.
   - **When busy**: calls are forwarded if your line is busy.
   - **No reply/Not reachable**: calls are forwarded if you don't answer or when your phone is switched off.
   - **Disable all**: all of the call forward settings are cancelled.
2. Select **To enable**.
3. Select **Voice mail** or **Other number**.

Changing the call forwarding code

1. Select a type of call forwarding.
2. Select **Edit feature code**.
3. Select **To enable** or **To disable**.
4. Select **Voice mail** or **Other number**.
5. Press and hold [**CLR**] to clear the default code.
6. Enter the code number you want and press <**Save**>.

Call waiting *(Menu 1.6)*

This network feature alerts you of incoming calls while you are on the phone.

Setting the call waiting feature

1. On the Call waiting screen, scroll to **To enable**.
2. Press <**Select**>.

Changing the call waiting code

1. On the Call waiting screen, select **Edit feature code**.
2. Select **To enable** or **To disable**.
3. Press and hold [**CLR**] to clear the default code.
4. Enter the code number you want and press <**Save**>.

Call reject *(Menu 1.7)*

Use this menu to make a list of the phone numbers from which you want to reject calls.

Phonebook *(Menu 2)*

You can store phone numbers and their corresponding names in your card and the phone's memory. The card and phone's memory, although physically separate, are used as if they were a single entity, called Phonebook.

To access this menu, press <**Menu**> in Idle mode and select **Phonebook**.

Find *(Menu 2.1)*

Use this menu to find an entry using a person's name, speed dial location, group name, or memory location.

☑ To quickly access this menu, press <**Find**> in Idle mode.

Finding an entry

1. Press [Left] or [Right] to select a search method.
2. Enter the first few letters of the name you want, or select a memory location or a caller group.
3. Select an entry.

4. Scroll to a number and press [ ] to dial, or press <**Menu**> to edit entry information.

Using Phonebook options

While viewing entry details, press <**Menu**> to access the following options:

- **Send msg**: send a text message.
- **Send MMS** : send a MMS message.
- **Talk**: dial the selected number
- **Copy**: copy the selected number to another memory location.
- **Speed dial**: assign a speed-dial location number to the currently selected number.
- **Edit**: change the selected item.
- **Erase**: erase the entry. If you select a number, only the number is erased.

While viewing the Phonebook list, press <**Menu**> to access the following options:

- **Edit**: edit entry information.
- **Erase**: erase the entry.
- **Erase multiple**: erase the selected entries or all entries.
- **Add new**: add a new entry to the phone's memory or on the card.
- **To name card**: save the selected number as a name card format.

Add entry *(Menu 2.2)*

Use this menu to add a new entry to Phonebook.

In the phone's memory, a name can contain up to 5 numbers in a different category; Mobile, Home, Office, Pager, and Fax. You can save only one number with a name on the card's memory.

Storing a number in the phone's memory

1. Enter a name and press <**OK**>.
2. Select **Phone**.
3. Press [Down] and change the settings or enter information about the entry:
   - **Mobile**/**Home**/**Office**/**Pager**/**Fax**: add a number for each category.

- **Image**: press <**Edit**> and assign one of the photos you have taken or the default icons as a caller ID image.
- **E-Mail1**/**E-Mail2**: press <**Edit**> and enter an e-mail address.
- **URL**: press <**Edit**> and enter an URL address.
- **Group**: select one of the default relation groups, where the entry is included.
- **Ringer**: press <**Edit**> and select a ringtone for the entry.
- **ETC**: press <**Edit**> and add a memo about the entry.

4. Press <**Save**> to save the entry.

Storing a number on the UIM card

1. Enter a name and press <**OK**>.
2. Press [Down] and enter a phone number.
3. Press <**Save**> to save the entry.

Groups *(Menu 2.3)*

Use this menu to set up a caller group list.

Adding a new group

1. When **No group** highlights, press <**Add**>.
2. Enter a name for the group and press <**OK**>.
3. Press [Down].
4. Press [Left] or [Right] to select a ringer category.
5. Press [Up] or [Down] to scroll to a ringer.
   To listen to the selected melody, press <**Play**>.
6. Press <**Save**>.

Managing a group

Press <**Menu**> to access the following options:

- **New**: add a new group.
- **Edit**: change the properties of the selected group.
- **Erase**: erase the selected group.

Speed dial *(Menu 2.4)*

Once you have stored phone numbers in Phonebook, you can set up to 95 (5~99) speed dial entries and then dial them easily by pressing the associated one or two number keys.

☑ Numeber keys 1 to 4 are preset by your service provider to access the following services:
- [**1**]: Voicemail
- [**2**]: Voice station
- [**3**]: Customer care
- [**4**]: Directory assistance

Setting up speed dial entries

1. Press [Left] or [Right] to select **All** or **Empty**.
2. Enter the location number you want or scroll to the number.

   Entering a number lists all of the location numbers containing the entered number.
3. Press <**Add**>.
4. Select a phone number from the Phonebook list.
5. Select a number from the entry, if it has more than one number.

Editing speed dial entries

1. Press [Left] or [Right] to select **All** or **Stored**.
2. Enter the location number you want or scroll to the number.
3. Press <**Menu**> to access the following options:
   - **Replace number**: assign a different number to the location.
   - **Erase**: clear the speed dial setting for the location.
   - **Erase all**: clear the settings for all keys.

Dialling speed dial entries

Press and hold the appropriate number key in Idle mode.

Name card *(Menu 2.5)*

Use this menu to view and edit your name card.

1. Select **My name card.vcf.**

2. Press <**Option**> and select **Edit**.
3. If necessary, press <**Edit**> and change the contents of the name card.
4. Press <**Save**> to save the name card.

After saving the name card, press <**Option**> to access the following options:

- **Edit**: edit the name card.
- **Add to phonebook**: save the name card as a Phonebook entry.
- **Erase**: clear the name card.

My phone # *(Menu 2.6)*

Use this menu to view and change your phone number.

To change the phone number, press <**Edit**> and enter your phone number.

Memory status *(Menu 2.7)*

Use this menu to check how many entries are stored in Phonebook, in both the card and the phone's memory.

Camera *(Menu 3)*

Using the camera module built into your phone, you can take photos of people or events while on the move. You can also record a video by using your phone as a camcorder.

To access this menu, press <**Menu**> in Idle mode and select **Camera**, or press [ ] in Idle mode.

- Do not take photos of people without their permission.
- Do not take photos in a place where cameras are not allowed.
- Do not take photos in a place where you may interfere with another person's privacy.

Take photo *(Menu 3.1)*

Use this menu to take a photo in a still image or multi-shot or record a video. The camera produces JPEG photos and MP4 video clips.

When you take a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

Taking a photo

1. Access the **Take photo** menu or press and hold [ ] in Idle mode. You can also rotate the display to view a wider image.

   The camera turns on and the image to be captured displays.
2. When you use the camera first time, press [**2**] to change the preview screen until the ( ) icon appears.
3. Press [**1**] and select the camera mode you want:
   - Single shot: take a photo.
   - Serial shot: take a serial of action stills.
   - Divided shot: take several stills and saves them in one frame.
   - Video cam: record a video.
   - Picture msg.: take a photo for adding to a picture message.
   - Video msg.: record a video for adding to a video mssage.
4. Adjust the image by rotating the camera lens and aiming it at the subject.
   - You can use the following keys to customise the image settings.

Key	Function
▲	Flips the image vertically.
▼	Shows the mirror image.
Left/Right	Zooms in or out.
Up/Down	Adjusts the image brightness.
1	Changes the camera mode.
2	Switches the display between the full screen view, non-icon view, grid line view, and actual ratio view.
3	Sets the time delay.
0	Goes to the **My album** folder.

- You can change settings by pressing <**Menu**>.
  ▶ next section

5. Press <**Capture**> or [ ] to take a photo.
   When you are taking serial shot images, the camera takes photos successively.
6. Press <**Save**> to save the photo.
   The phone saves the photo(s) in the **My album** folder and returns to Capture mode.

Using options in Capture mode

When you press <**Menu**> in Capture mode, the following options are available for the current shot:

- **Mode**: use the following camera modes:
  Single shot: take a photo in normal mode.
  Serial shot: take series of action stills. You can select the number of photos the camera will take.
  Divided shot: take several stills and save them in one frame. You can select the layout.
  Video cam: record a video clip.
  Picture msg.: take a photo for adding to a picture message.
  Video msg.: record a video for adding to a video mssage.
- **Size/Quality**: select an image size or an image quality.
- **White balance**: adjust the colour balance of the photo. You can make your photo appear warmer or cooler.
- **Self timer**: set a time delay before the phone takes a photo.
- **Frame**: add a decorative frame to the photo.
- **Preview layout**: select the default preview mode.
  Icons ( ): the phone shows the image on the full screen with available option icons.
  No icons ( ): the phone shows the image on the full screen without icons.
  Guideline ( ): the phone shows the image in the grid line.
- **Quick view**: access the **My album** folder.

Recording a video

1. Access the **Take photo** menu.
2. Press [**1**] to select the icon.
3. Adjust the image by rotating the camera lens and aiming it at the subject.
   - You can use the following keys to customise the image settings.

Key	Function
▲	Flips the image vertically.
▼	Shows the mirror image.
Up/Down	Adjusts the image brightness.
Left/Right	Zooms in or out.
1	Changes the camera mode.
2	Switches the display between the full screen view, non-icon view, grid line view, and actual ratio view.
3	Sets the time delay.
0	Goes to the **My album** folder.

   - You can change settings by pressing <**Menu**>.
     ▶ next section
4. Press <> or [] to start recording.
   To pause recording, press <> and then press <> to resume.
5. When you are finished, press <> or [].
6. Press <**Save**> to save the video.
   The phone saves the video in the **My album** folder and returns to Record mode.

Using options in Record mode

When you press <**Menu**> in Record mode, the following options are available for the current shot:

- **Mode**: use the following camera modes:
  Single shot: take a photo in normal mode.

Serial shot: take series of action stills. You can select the number of photos the camera will take.

Divided shot: take several stills and save them in one frame. You can select the layout.

Video cam: record a video clip.

Picture msg.: take a photo for adding to a picture message.

Video msg.: record a video for adding to a video mssage.

- **Size/Quality**: select an image size or an image quality.
- **White balance**: adjust the colour balance of the video. You can make your video appear warmer or cooler.
- **Self timer**: set a time delay before the phone records a video.
- **Preview layout**: select the default preview mode.

  Icons (): the phone shows the image on the full screen with available option icons.

  No icons ( ): the phone shows the image on the full screen without icons.

  Guideline (): the phone shows the image in the grid line.
- **Voice record**: turn on or off the audio.
- **Quick view**: access the **My album** folder.

My album *(Menu 3.2)*

Use this menu to review the photos you have taken and the videos you have recorded.

☑ Photos captured on other devices, such as digital cameras, may not display correctly.

Viewing a photo

1. Select **Single** or **Multi**.
2. Scroll to the photo you want.
3. Press <**Expand**> to view the photo on the full screen.
4. Press <**Multi**> to return to the thumbnail images.

Using photo options

While viewing a photo, press <**Option**> to access the following options:

- **Send picture msg.**: send the file as part of a picture message.
- **Photo studio**: access the **Photo studio** menu.
- **Set wallpaper**: set the image as your wallpaper for the idle screen, or the opening or closing image.
- **Set phonebook**: set the image as a caller ID image for a Phonebook entry.
- **Rename**: change the file name.

  ☑ Do not use special characters, such as /, :, *, ?, <, >, or \.

- **File info**: access the file properties.
- **Lock**: lock the file so that other people cannot access it without your lock code.
- **Erase**: erase the file.
- **Erase all**: erase all files.

Viewing a video clip

1. Select **Vcam**.
2. Select the video clip you want.

During playback, you can use the following keys:

Key	Function
◓	Pauses or resumes playback.
Down	Opens the video clip list.
Left	Moves back to the previous file. Moves backward in a file when held down.
Right	Skips to the next file. Moves forward in a file when held down.
▲/▼	Adjusts the volume.

On the video player screen, press <**MENU**> to access the following options:

- **Send video Msg.**: send the file as part of a video message.
- **Set wallpaper**: set the video clip as your wallpaper for the idle screen.
- **File info**: access the file properties.

Using video options

While viewing the video clip list, press <**Option**> to access the following options:

- **Send Video msg.**: send the file as part of a video message.
- **Set wallpaper**: set the video clip as your wallpaper for the idle screen.
- **Rename**: change the file name.

  ☑ Do not use special characters, such as /, :, *, ?, <, >, or \.

- **File info**: access the file properties.
- **Lock**: lock the file so that other people cannot access it without your lock code.
- **Erase**: erase the file.
- **Erase all**: erase all files.

Photo studio *(Menu 3.3)*

Photo studio is a great tool for managing photos. Use this menu to edit photos by applying special effects and adding comments.

Wizard effect *(Menu 3.3.1)*

You can apply a special effect to a photo.

1. Select **Saved photo** or **New photo**.
2. Select a photo or take a photo.
3. Press [Left] or [Right] to select an effect.

   You can compare the changed photo with the original by pressing <**Compare**> and press <**Done**>.
4. Press <**Save**>.
5. Enter a name for the photo and press <**OK**>.

Basic effect *(Menu 3.3.2)*

You can change the colour tone of a new photo or saved photo.

1. Select **Saved photo** or **New photo**.
2. Select a photo or take a photo.
3. Press [Left] or [Right] to select a tone.

   You can compare the changed photo with the original by pressing <**Compare**> and press <**Done**>.

4. Press <**Save**>.
5. Enter a name for the photo and press <**OK**>.

Decoration *(Menu 3.3.3)*

You can add a decorative frame, clip, or photo cut-out to a photo. You can also add text to the photo.

1. Select **Saved photo** or **New photo**.
2. Select a photo or take a photo.
3. Press <**Option**> to access one of the following editing options:
   - **Fun frame**: select a decorative frame using [Left] or [Right].
   - **Clip**: select an image. You can move it to the position you want by pressing the Navigation keys.
   - **Photo sticker**: select a photo cut-out. ▶ p. 41.
   - **Text**: enter text. After entering text, you can change the font size and colour, and the brightness of the font colour. You can move text to the position you want by pressing the Navigation keys.
   - **Pen**: add a drawing to the photo. Before drawing, change the thickness and colour of the draw line, and the brightness of the colour. You can move the pen by pressing the Navigation keys and draw using the number keys.

     ☑ Press <**Help**> to view details about moving and drawing a pen.
4. After adding decorations, press <**Save**>.
5. Enter a name for the photo and press <**OK**>.

Photo sticker *(Menu 3.3.4)*

You can make a photo cut-out using a photo.

1. Select **Saved photo** or **New photo**.
2. Select a photo or take a photo.
3. Select a photo cut-out type using [Left] or [Right] and press <**Select**>.
4. Press [Left] or [Right] to adjust the photo cut-out size and press <**Next**>.
5. Move the photo cut-out to the position you want using the Navigation keys and press <**Save**>.

The part of the photo is saved as a photo cut-out.

Video capture *(Menu 3.3.5)*

You can save a single video clip frame as a photo.

1. Select a video clip from the **My album** folder.
   The selected video clip plays.
2. When the part of the video clip you want to capture appears, press <**Capture**>.
   The video clip frame displays.
3. Press <**Save**>.
4. Enter a name for the video clip frame and press <**OK**>.

Composition *(Menu 3.3.6)*

You can make a new image by combining two photos.

1. Press <**Open**> when the **Main** field highlights.
2. Select **Saved photo** or **New photo**.
3. Select a photo or take a photo.
4. Press <**Open**> when the **BG** field highlights.
1. Select **Saved photo** or **New photo**.
2. Select a photo or take a photo.
3. Press <**OK**>.
4. Press [Left] or [Right] to adjust the image brightness and press <**Save**>.
5. Enter a name for the composition and press <**OK**>.

Revision *(Menu 3.3.7)*

You can change the image properties of a photo, such as the contrast, brightness, saturation, or blur.

1. Select **Saved photo** or **New photo**.
2. Select a photo or take a photo.
3. Press <**Option**> to access the following options:
   - **Sharpness**: adjust the image sharpness. Increasing the sharpness makes the image appear more focus.
   - **Brightness**: adjust the brightness of the image.
   - **Hue**: change the colour tone of the image.
   - **Blur**: adjust the clarity of the image.

4. After changing the properties, press <**OK**>.
   You can compare the changed photo with the original by pressing <**Compare**> and pressing <**Done**>.
5. Press <**Save**> to save the photo.
6. Enter a name for the photo and press <**OK**>.

Flip *(Menu 3.3.8)*

You can change the orientation of a photo.

1. Select **Saved photo** or **New photo**.
2. Select a photo or take a photo.
3. Select a direction icon, or , by pressing [Left] or [Right].
4. Select an orientation for the photo using [Up] or [Down] and press <**Save**>.
5. Enter a name for the adjusted photo and press <**OK**>.

Text composition *(Menu 3.3.9)*

You can extract text from a photo and add it to another photo.

☑ It may not be possible to extract text from a non-mono colour background photo.

1. Press <**Open**> when the **Main** field highlights.
2. Select **Saved photo** or **New photo**.
3. Select a photo or take a photo.
4. Press <**Open**> when the **Text** field highlights.
5. Select **Saved photo** or **New photo**.
6. Select a photo or take a photo.
7. Press <**OK**> and then <**Save**>.
8. Enter a name for the photo and press <**OK**>.

Settings *(Menu 3.4)*

Use this menu to change the default settings for the options when using the camera.

- **Sound**: select a sound to indicate a shutter release sound, the camera is ready for use, and a self timer sound.
- **Long camera key**: select a default camera mode.
- **Reset**: restore settings for the camera.

- **Auto save**: turn the auto saving feature on or off.
- **Album lock**: lock the **My album** folder so that other people cannot access it without your lock code.

Display *(Menu 4)*

The **Display** menu enables you to change various settings for the display and the light.

To access this menu, press <**Menu**> in Idle mode and select **Display**.

Language *(Menu 4.1)*

Use this menu to change the language of the display text.

Image box *(Menu 4.2)*

Use this menu to change the background image to be displayed in Idle mode or when the phone is turned on or off.

1. Select the item for which you want to change the image.
   - **Opening**: select an image to be displayed when the phone turns on.
   - **Closing**: select an image to be displayed when the phone turns off.
   - **Wallpaper**: select an image to be displayed in Idle mode.
2. Select the image category you want.
3. Select the image you want.

Banner *(Menu 4.3)*

Use this menu to set a banner message to be displayed at the bottom of the display in Idle mode.

Menu style *(Menu 4.4)*

Use this menu to select the menu display style.

Backlight *(Menu 4.5)*

Use this menu to customise settings for backlight.

- **Main LCD**: select the length of time the backlight remains on.
- **Sub LCD**: turn on or off the backlight for the external display.
- **Keypad**: select the keypad backlight mode.

  Save mode: use the backlight only between 5:00 PM and 8:00 AM. Doing this saves the battery power.

  Normal mode: flash the backlight when you press any key.

Set time *(Menu 4.6)*

Use this menu to set the current time and date or set up the time zones for the Dual Clock wallpaper.

Main clock *(Menu 4.6.1)*

You can set the current time and date.

Enter the time in 24-hour format and the date in the order of year, month, and day.

Dual clock *(Menu 4.6.2)*

You can choose two time zones to be displayed when you select **Dual clock** for the wallpaper image.

1. Press [Left] or [Right] to select the time zone for the upper clock and press [Down].
2. Press [Left] or [Right] to select the time zone for the lower clock.
3. Press <**Save**>.

☑ You can apply the daylight savings time for each clock. When a clock highlights, press <**DST on**> and then <**Save**>.

External clock *(Menu 4.7)*

Use this menu to select a clock type to be displayed on the external display.

Dialing font *(Menu 4.8)*

Use this menu to display numbers in colours when entering a phone number for dialling.

Quick menu indicator *(Menu 4.9)*

Use this menu to set whether or not the quick menu indicators are displayed on the dial screen.

While dialing numbers in Idle mode, you can press the appropriate Navigation keys to access the preset menu you want.

Messages *(Menu 5)*

Use the **Messages** menu to send or receive text messages. You can also use the quick SMS, voicemail, and web alert features.

To access this menu, press <**Menu**> in Idle mode and select **Messages**.

Picture msg. *(Menu 5.1)*

Multimedia Message Service (MMS) delivers messages containing a combination of text, image, and audio, from phone to phone or from phone to e-mail.

New MMS *(Menu 5.1.1)*

Use this menu to create and send multimedia messages.

1. Enter a destination phone number or e-mail address and press [Down].
2. Enter a Cc number or e-mail address and press [Down].
3. Enter a Bcc number or e-mail address.
4. Press [Down] to move to the Subject field.
5. Enter a subject for your message.
6. Press [Down] to move to the Picture/Video field.
7. Press <**Menu**> and add an image.
8. Press [Down] to move to the Message field.
9. Enter a message.
10. Press [Down] to move to the Sound field.
11. Press <**Menu**> and add a sound clip.
12. Press [Down] to move to the Setting field.
13. Press <**Menu**>, select **Send setting** and change the following settings:

- **Priority**: set the priority level of the message.
- **Delivery report**: request that the network informs you when your message has been delivered
- **Outbox msg**: set whether or not sent messages are saved in the Outbox.

14. After adding media files, press <**Menu**> to access the following options for editing the message.
    - **Add**: add a new slide.
    - **Delete**: delete the added slide.
    - **Duration**: set how long one slide in your outgoing messages displays. After a specified time, the display automatically scrolls to the next slide.
15. When you have finished, press <**Select**> to send the message.

Inbox *(Menu 5.1.2)*

Use this menu to access the multimedia messages you have received.

☑ The maximum size allowed for an MMS message is 200KB.

The following icons are available to show the message status:

- : Messages that you have opened.
- : Messages that you haven't opened.

1. Select a message.
2. If necessary, press <**Receive**> to retrieve the message from the MMS server.
3. Press [ ] to stop playing the sound attached in the message. To play the sound, press [ ] again.

While viewing a message, press <**Menu**> to access the following options:

- **Reply**: send a reply message to the sender.
- **Forward**: forward the message to other people.
- **Reply all**: send a replay message to the sender and other recipients.
- **Save phonebook**: extract the sender's addresses or phone numbers from the message text.
- **Save image**: save the image of the message.
- **Save sound**: save the sound of the message.
- **Remove**: erase the currently selected message.

While viewing the message list, press <**Menu**> to access the following options:

- **Information**: access the message properties.
- **Remove**: remove the selected message.
- **Remove all**: remove all messages.

Outbox *(Menu 5.1.3)*

This folder stores messages that the phone has sent or has failed to send.

While viewing a message, press <**Menu**> to access the following options:

- **Resend**: send the message again.
- **Forward**: forward the message to other people.
- **Remove**: erase the currently selected message.

While viewing the message list, press <**Menu**> to access the following options:

- **Information**: access the message properties.
- **Remove**: remove the selected message.
- **Remove all**: remove all messages.

Draftbox *(Menu 5.1.4)*

This folder stores messages you have saved to send at a later time.

When you select a message, it opens in Edit mode so that you can edit and send the message.

While viewing the message list, press <**Menu**> to access the following options:

- **Remove**: remove the selected message.
- **Remove all**: remove all messages.

Manager *(Menu 5.1.5)*

Use this menu to manage media items and change the settings for using the multimedia message feature.

- **Saved image**: access the images you have downloaded from the wireless web.
- **Saved video**: access the videos you have downloaded from the wireless web.
- **Saved sound**: access the sound clips you have downloaded from the wireless web.

- **Saved voice**: access the sound clips you have saved.
- **My voice**: access the voice memos you have recorded.
- **Settings**: change the settings for the multimedia message feature:

  Priority: set the priority level of your messages.

  Delivery report: set the network to inform the sender when a message has been delivered to you.

  Outbox msg: set whether or not sent messages are saved in the Outbox.

  Inbox msg: set what happens if a new message is received when the phone's memory is full.

Text msg. *(Menu 5.2)*

Short Message Service (SMS) allows you to send or receive text messages.

Write *(Menu 5.2.1)*

Use this menu to create text messages and send them to multiple mobile phones.

1. Enter the message text and press <**OK**>.
2. Change the following options:
   - **Priority**: set the priority level of the message.
   - **Ack**: activate or deactivate the delivery acknowledgement feature. When this feature is activated, the network informs you whether your message is delivered to the recipient or not.
3. When you have finished, press <**Save**>.
4. Enter a phone number.

   To send the message to multiple destinations, press [Down] and enter additional numbers.
5. Press <**OK**> to send the message.

Inbox *(Menu 5.2.2)*

Use this menu to access messages you have received.

Viewing received text messages

When the phone receives a text message, the phone sounds a message alert and displays a text notification with the call back number appears. Press <**Select**> to view the message immediately.

When you access **Phone**, or **Card** in the **Inbox** menu, a list of the received message displays. Icons displayed on the list indicate the messages' status:

- : Messages that you have opened.
- : Messages that you haven't opened.

A red icon means that the message is urgent. means that the message is saved on the card.

Using message options

While viewing a message, press <**Option**> to access the following options:

- **Erase**: erase the selected message from your Inbox.
- **Reply**: send a reply message to the sender.
- **Forward**: send the message to other people.
- **Call/Save**: make a call to the sender's phone number or save the number to Phonebook.
- **Move to phone**/**Move to card**: move the message to the phone's memory or the card.
- **Copy to phone**/**Copy to card**: copy the message to the phone's memory or the card.

While viewing the message list, press <**Option**> to access the following options:

- **Erase**: erase the currently selected message.
- **Erase multi**: erase the selected messages.
- **Erase all**: erase all messages.

Accessing Web alerts

When you select **Web alert** in the **Inbox** menu, the phone accesses your Alert Inbox on the wireless web, so that you can view a web message from your web server.

Outbox *(Menu 5.2.3)*

Use this menu to access messages you have sent.

Viewing sent text messages

When you access **Phone**, or **Card** in the **Outbox** menu, a list of sent messages appears. Icons displayed on the list indicate the messages' status:

- : Messages that have been successfully delivered.
- : Messages that the phone has failed to send.

A red icon means that the message is urgent. means that the message is saved on the card.

Using message options

While viewing a message, press <**Option**> to access the following options:

- **Erase**: erase the currently selected message.
- **Resend**: send the message to the recipient again.
- **Edit**: edit the message.
- **Call/Save**: make a call to the sender's phone number or save the number to Phonebook.
- **Move to phone**/**Move to card**: move the message to the phone's memory or the card.
- **Copy to phone**/**Copy to card**: copy the message to the phone's memory or the card.

While viewing the message list, press <**Option**> to access the following options:

- **Erase**: erase the currently selected message.
- **Erase multi**: erase the selected messages.
- **Erase all**: erase all messages.

Templates *(Menu 5.2.4)*

Use this menu to use preset templates and create new templates. You can also edit an existing template.

Voice mail *(Menu 5.2.5)*

Use this menu to access your voicemails.

When you receive a voicemail, the new voicemail icon and a text notification display. Press [ ] to dial, and the phone dials the voicemail centre. Then follow the voice prompts from the system to listen to the voicemail.

Voice mail # *(Menu 5.2.6)*

Use this menu to display the voicemail server number.

Settings *(Menu 5.2.7)*

Use this menu to customise settings for receiving or sending messages.

- **Auto scroll**: set the time interval in which the phone scrolls to the next screen, 1 through 5 seconds.

  When this option is set to **Off**, you can manually scroll to the next screen using [Up] or [Down].
- **Msg reminder**: set how often the phone reminds you of new messages.
- **New messages**: customise the settings for your outgoing messages.

  Save message: set whether or not you want the sent message to be saved in the Outbox.
- **Alert on call**: set whether or not the phone informs you when you receive a new message during a call.
- **Msg wallpaper**: select a background image to be displayed on the Message screen so that you can view messages with the image.
- **Auto delete**: set whether or not the phone will automatically erase the oldest message when the phone's memory is full and a new message is received.

Quick SMS *(Menu 5.2.8)*

Quick SMS is a way of sending short, simple messages that are delivered immediately to other people by using preset template messages.

Creating the buddy list

1. On the Quick sms screen, select **View members**.
2. Select an entry from the Phonebook list.
3. Press <**OK**>. The selected entry adds to the buddy list.
4. To add more entries, press <**Add**> and repeat from step 2.

After saving entries, press <**Option**> to access the following options:

- **Erase**: erase the entry from the buddy list.
- **Erase all**: erase all entries from the buddy list.

Starting your messenger

1. On the Quick sms screen, select **Setting** → **On**.
2. In Idle mode, press [**CLR**] four times.

   The phone sends an SMS message using the preset message to the recipient you have predefined.

Using the preset message

On the Quick sms screen, select **Edit MSG**.

To edit the preset message, clear the default message, enter a new message, and press <**OK**>.

Memory status *(Menu 5.2.9)*

This menu displays how many messages are stored on the card and in the phone's memory.

Sounds *(Menu 6)*

The **Sounds** menu allows you to customise various sound settings.

To access this menu, press <**Menu**> in Idle mode and select **Sounds**.

Ring tones *(Menu 6.1)*

Use this menu to set the ringer for calls, messages, alarms, and schedule alarms separately.

Call volume *(Menu 6.2)*

Use this menu to adjust the ringer volume and type for voice calls.

- **Level 1~5**: select one of the volume levels.
- **Ringer only**: the phone sounds the ringtone selected in the **Ring tones** menu.
- **Silent**: the phone neither vibrates nor rings.
- **1 Beep**: the phone sounds a beep.
- **Vibration**: the phone vibrates.
- **Vib. & ringer**: the phone vibrates and rings at the same time.
- **Vib. then ringer**: the phone vibrates and then rings.
- **Ringer then vib.**: the phone rings and then vibrates.

Msg. volume *(Menu 6.3)*

Use this menu to adjust the ringer volume for incoming messages.

Alarm volume *(Menu 6.4)*

Use this menu to adjust the ringer volume for alarms.

Schedule volume *(Menu 6.5)*

Use this menu to adjust the ringer volume for an schedule alarm.

Key tone *(Menu 6.6)*

Use this menu to select a type of tones that the keypad sounds each time you press a key.

☑ You can adjust the key tone volume using [▲/▼] in Idle mode.

Alert *(Menu 6.7)*

Use this menu to set up various alert sounds on your phone.

Function alert *(Menu 6.7.1)*

Use this menu to set up audible alerts (beeps) at a specified time to inform you that certain things have happened.

- **Themes**: select an alert tone.
- **Alert on/off**: turn each alert on or off.

  Select/Saving: set the phone to sound an alert when you save your selection or change a menu function.

  Cancel/Warning: set the phone to sound an alert when you cancel your selection or change when a confirmation message appears.

  Folder: set the phone to sound an alert when you open or close the phone.

  Connect: set the phone to sound a connect tone when an outgoing call is connected to the system.

  Disconnect: set the phone to sound a disconnect tone when a call is disconnected by the other person.

  Power on/off: set the phone to sound an alert when you turn on or off the phone.

  Exit silent mode: set the phone to sound an alert when you exit Silent mode.

Hour alert *(Menu 6.7.2)*

You can set your phone to sound an alert every hour on the hour.

1. Select **On** and press [Down].
2. Enter the time period when the phone uses the hour alert.
3. Press <**Save**>.

do mOre *(Menu 7)*

Using the **do mOre** menu, you can play games, listen to MP3 music, and watch VOD. You can also create your own melodies.

To access this menu, press <**Menu**> in Idle mode and select **do mOre**.

3D game *(Menu 7.1)*

You can enjoy fun games on your phone.

☑ Before accessing a game, you need to rotate the display first.

Starting a game

1. Select the game you want.
2. If necessary, press any key except for [ ].
3. If necessary, select a game mode.

   The phone displays the following options; options vary depending on the selected game.

   - **Start Race**/**NEW GAME**: start a new game.
   - **CONTINUE**: continue the last game you played.
   - **Score**/**RECORD**: check the high score table.
   - **OPTION**: change the game settings.
   - **ABOUT**: access the game properties.
   - **HELP**: give you information about how to play the game.
   - **Quit Game**/**EXIT**: exit the game.
4. Select **Start race** or **NEW GAME**.

For further information about games, refer to the help option.

MP3 *(Menu 7.2)*

Use this menu to enjoy MP3 music.

MP3 player *(Menu 7.2.1)*

You can play MP3 music files. First, you need to save MP3 files in your phone's memory.

Downloading MP3 files

To download MP3 files to the phone, use the following methods:

- Download from the wireless web ▶ p. 63
- Connect the phone to a computer and copy to the phone ▶ p. 67

Creating the play list

Before playing MP3 music files, you need to add them to the play list.

1. Access the **My files** menu.
   The list of MP3 files stored in your phone displays.
2. Press <**Menu**> and select **Add to play list**.
3. Press <**Check**> to select the files you want.
4. Press <**Add**>.
5. To play music, press <**Play**>.

Playing MP3 music files

Accessing **MP3 player** menu begins playback MP3 music files in the play list.

During playback, use the following keys:

Key	Function
⏯	Pauses or resumes playback.
Up	Changes the repeat mode. • : repeats all files. • : repeats the current file. • : plays the files in random order. • No icon: plays the selected file.
Down	Opens the file list.
Left	Goes back to the previous file. Moves backward in a file when held down.
Right	Skips to the next file. Moves forward in a file when held down.

Key	Function
▲/▼	Adjusts the volume.
A - B	Repeats a section of your choice. Pressing this key begins a search for the starting point. To search for the end point, press <**A** → **B**>. To stop repeating, press <**A** ↔ **B**>.

Using MP3 player options

During playback, press <**MENU**> to access the following options.

- **Go to file list**: access the file list.
- **Timer**: set the length of time the MP3 player stays on. The timer appears to show you the time remaining.
- **Set to ringer**: set the music file as a ringer melody for incoming calls, alarm sets, or scheduler alarms.
- **Visual effect**: change the equaliser setting.
- **File info**: access the file properties.

Using the play list

From the MP3 player screen, press [Down] to open the play list.

Press <**Menu**> to access the following options:

- **Add to play list**: add files to the play list.
- **Remove**: remove files from the play list.
- **Visual effect**: select an equaliser image.
- **Go to file list**: access the file list.
- **File info**: access the file properties.

My files *(Menu 7.2.2)*

Use this menu to access MP3 files stored in the phone's memory.

Press <**Menu**> to access the following options:

- **Open files**: access the music file list.
- **Add to play list**: add the MP3 files in the selected folder or the selected MP3 file to the play list.
- **Rename**: change the file name.

☑ Do not use special characters, such as /, :, *, ?, <, >, or \.

- **Sort**: change the sort order of the list.
- **File info**: access the file properties.
- **Set to ringer**: set the music file as a ringer melody for incoming calls, alarm sets, or scheduler alarms.
- **Erase**: erase the selected file.
- **Erase all**: erase all files.

MP3 settings *(Menu 7.2.3)*

Use this menu to set the use of the backlight of the phone while playing MP3 files.

- **Backlight**: change the backlight mode while playing an MP3 file.

  Default: the backlight turns off after the period of time set in the **Backlight** menu.

  Always on: the backlight does not turn off.

VOD *(Menu 7.3)*

In the VOD (video on demand) menu, you can download video files from the wireless web and play them.

☑ You can quickly access this menu by pressing [Left] in Idle mode.

VOD files *(Menu 7.3.1)*

When you access this menu, the list of downloaded video files displays.

Playing video files

Scroll to a file and press <**Play**>.

You can access the following options during playback.

Key	Function
◓	Pauses or resumes playback.
Up	Changes the repeat mode. • : repeats all files. • : repeats the current file. • : plays the files in random order. • No icon: plays the selected file.
Down	Opens the file list.

Key	Function
Left	Goes back to the previous file. Moves backward in a file when held down.
Right	Skips to the next file. Moves forward in a file when held down.
▲/▼	Adjusts the volume.
STOP	Stops playback.

Using video player options

From the video player screen, press <**MENU**> to access the following options:

- **Set to wallpaper**: set the file as your wallpaper. This option is available for video clips.
- **File info**: access the file properties.

Using file list options

While viewing the video file list, press <**Menu**> to access the following options:

- **Open files**: open and play the selected files.
- **Rename**: change the file name.

  ☑ Do not use special characters, such as /, :, *, ?, <, >, or \.
- **File info**: access the file properties.
- **Set to wallpaper**: set the file as your wallpaper.
- **Erase**: erase the currently selected file.
- **Erase all**: erase all files stored in your phone.

Connect to server *(Menu 7.3.2)*

Use this menu to load the website preset by your service provider for viewing and downloading video files.

For further details, contact your service provider.

Settings *(Menu 7.3.3)*

Use this menu to set the time increments by which each press of the Backward and Forward keys moves in a file.

☑ The keypress speed is an approximately value.

Melody composer *(Menu 7.4)*

Melody composer is a great tool that allows you to compose your own melodies using a variety of musical components.

Compose melody *(Menu 7.4.1)*

When you access this menu, a stave screen displays with a selection point at the first note position.

Creating a melody

You can compose a melody of up to 10 pages and you can insert 12 notes or rests onto each page.

1. Move the selection point up or down.
2. When you have placed the selection point to your satisfaction, press <**Input**>.
3. Select a note or rest.

   The note or rest is inserted onto the stave and the selection point moves to the right on the same line.
4. Repeat steps 1 to 3 to add more notes and rests.

> ☑ You can also add a background melody, change the tempo, or adjust the volume by using composer options.

5. When you have finished, press <**Option**> and select **Save**.
6. Enter a name for your melody and press <**OK**>.

Using composer options

While composing a melody, press <**Option**> to access the following options:

- **New**: open a new composer screen.
- **Open**: open the list of the melodies you have composed.
- **Play**: play back the current melody.
- **Save**: save the melody.
- **Save as**: save the melody with a different name.
- **Instrument**: change the musical instrument for the melody.
- **BGM**: use a background melody.
- **Add note**: add notes to the melody.

- **Tempo**: change the tempo.
- **Volume**: adjust the volume level of the main and background melodies separately.

Editing a melody

While composing a melody or after opening a saved melody, you can edit it.

1. Select an entered note or rest by moving the selection cell.

   The colour of the selected item changes to yellow to indicate that it is in Edit mode.
2. Change the position or type of the note or rest the same as you would when inserting it.
   - Press [*] or [#] to move a note to the next lower or higher position by semi-tone.
   - Press <**Input**> to change the type of the selected note or rest.
   - Press <**Option**> to access the following options:

     Range: select more than one note or rests.

     Copy: copy the selected notes and/or rests.

     Cut: delete the selected notes and/or rests.

     Paste: paste the copied notes and/or rests to the position next to the currently selected note or rest.

     Change: change the type of the currently selected note or rest.

     Erase: delete the selected notes and/or rests.

     Play: play back the current melody.
3. After editing, press [Right] to move the selection cell to an input position.
4. Press <**Option**> and select **Save** to save the changes to the melody, or **Save as** to save the melody under a different name.

My melodies *(Menu 7.4.2)*

Use this menu to play the melodies you have created.

Playing a melody

Scroll to the melody you want and press <**Play**>.

Using melody options

While viewing the melody list, press <**Menu**> to access the following options:

- **Set to ringer**: set the melody as a ringer melody for incoming calls, alarm sets, or scheduler alarms.
- **Rename**: change the melody name.

  ☑ Do not use special characters, such as /, :, *, ?, <, >, or \.

- **Erase**: erase the selected melody.
- **Erase all**: erase all melodies.
- **View details**: access the melody properties.

TATA Zone *(Menu 7.5)*

This menu is supplied by your service provider. The contents available in each menu option may be different, depending on the service provider. For further details, contact your service provider.

To access this menu, press [◓] in Idle mode.

Start Brew

Use this menu to download applications and change the browser settings. You can also view help information.

Downloading an application

1. When the **MobileShop** icon is highlighted, press [◓].
   - **Catalog**: browse and purchase items.
   - **Search**: search for an application by entering a keyword.
   - **Help**: get help information for using the **MobileShop** menu.
2. Press [◓] when the **Catalog** option is highlighted. You are sent to the associated website preset by your service provider and you can browse the available applications.
3. Select the application you want and follow the onscreen instructions to download it.

Changing the browser settings

1. Select the **Settings** icon.

2. Select a setting option.
   - **Order Apps**: change the list order of the downloaded applications.
   - **Move Apps**: move an application to another folder.
   - **Manage Apps**: check the amount of memory used for downloaded applications.
   - **Main Menu View**: change the view mode of the main menu screen.
   - **Screen Savers**: activate the Screen Saver application, if downloaded.
   - **View Log**: show the records of your browsing.

Viewing help information

1. Select the **Help** icon.
2. Select a help item.
3. Press [Up] or [Down] to scroll through help information.
4. Press [ ] to go back to the main help screen.

Mobile Browser *(Menu 7.6)*

Your phone comes equipped with a web (Wireless Application Protocol) browser which makes it possible for you to access the wireless web. Using the web browser, you can access up-to-date information and a wide variety of media content, such as wallpapers, ringtones, and music files.

Selecting the **Start Browser** menu launches the web browser and accesses the homepage of your service provider.

Navigating websites

To	Press
scroll through browser items	the Navigation keys.
scroll page by page	[▲/▼].
select an item	[ ].
return to the previous screen	[**CLR**].
return to the homepage	hold and [**CLR**].

Using browser menu options

While navigating websites, you can use various options. To access the Browser Menu list, press <**Menu**> and select **Menu**.

- **Home**: send you back at any time to your startup homepage.
- **Forward**: return you to the previous web page.
- **Bookmarks**: display the Bookmarks list.
- **Go To URL**: manually enter the URL address of a web page.
- **Show URL**: display the URL address of the site where you are currently connected.
- **History**: display the records of your connection to the Wireless Web.
- **Search**: use the Web Search features of your service provider.
- **Reload**: refresh the current web page with updated information.
- **Snapshots**: take a snapshot of the current web page.
- **Advanced...**: customise further options.

  Restart Browser: restart the web browser without exiting it.

  Delete Cookies: delete all cookies and files. A cookie is a record of a user's information that is stored on the phone when you visit a website.

  Multimedia: enable or disable auto download of media objects, such as images or background sound on a web page.

  Scroll Mode: select a scroll mode, and/or set the scroll speed.

  Send Referrer: set the browser to send HTTP referrer information to the web server each time the browser is launched.

  Connection Timeout: set how long the phone remains connected to the current web page when you don't use the web page for a specified period.

  Key Press Timeout: set how long the phone waits after you have pressed a key in the text entry mode before moving the cursor to the right.

  Security: set up all of security information.

Organiser *(Menu 8)*

The **Organiser** menu enables you to keep track of your schedule and tasks, set alarms, or use convenient features, such as a remote controller, calculator, voice recorder, counter, and memo pad.

To access this menu, press <**Menu**> in Idle mode and select **Organiser**.

Today *(Menu 8.1)*

Use this menu to schedule new events for the current date. Events scheduled for future dates automatically appear on your Today display for that particular day.

Schedule and access events as you would in the **Scheduler**.

Scheduler *(Menu 8.2)*

Use this menu to view the current month, as well as the past or future months in the calendar format. You can be alerted by the Scheduler function before an event commences.

When you access this menu, today's date is automatically selected and the date in lunar calendar displays on the bottom.

On the calendar, press <**Option**> to access the following options:

- **View**: access the events stored for the selected day.
- **Add new**: add a new event to the selected day.
- **Erase events**: erase scheduled events individually.
- **Erase all**: erase all of the events in the calendar.
- **Jump to date**: enter the date you want to access.

Scheduling an event

You can schedule up to 9 events for one day and 20 events total.

1. Select a day from the calendar.

   ☑ To move to the next or previous month, press [▲/▼].

2. Enter your event information and press <**OK**>.
3. Enter the time and press [Down].
4. Enter the date and press [Down].
5. Press [Left] or [Right] to select an alarm option.
6. Press <**Save**> to save your event.

Viewing your schedule

Days with scheduled events are indicated with the squares at the corners of the date cell.

1. Select one of days with scheduled events. The list of events for that day displays.
2. Select an event.
3. Press [Left] or [Right] to move to the previous or next event.

While viewing an event, press <**Menu**> to access the following options:

- **Add new**: add a new event.
- **Edit**: edit the selected event.
- **Erase**: erase the selected event.
- **Erase all**: erase all events.

Alarm clock *(Menu 8.3)*

Use this menu to set an alarm to ring at a specific time.

Setting an alarm

1. Select **Alarm 1**, or **Alarm 2**.
2. Select an alarm frequency option and press [Down].
3. Enter the alarm time and press [Down].
4. Select a snooze option and press [Down].
5. Press <**Select**> to specify an alarm ringer.
6. Select a ringer category.
7. Select the ringer melody you want.
   To listen to the highlighted melody, press <**Play**>.
8. Press <**Save**> to save the alarm set.

Stopping an alarm

- To stop an alarm when it rings, press any key, except <**End**> and [ ].
- The alarm repeats at specified intervals. Press <**End**> to stop an alarm.

Deactivating an alarm

1. On the Alarm list, select the alarm you want to deactivate.
2. Select **Off** from the Set field.

User memory *(Menu 8.4)*

Use this menu to connect the phone to a PC, as you would use an external memory disk drive, and access the file folder of your phone's memory.

Connect to PC *(Menu 8.4.1)*

Use this menu to connect your phone to a computer.

1. Connect a USB cable to the jack on the left side of the phone and the USB port of the phone.
2. Access the **Connect to PC** menu.
3. Enter the password and press <**OK**>.

   Your phone switches to Memory Disk mode.
4. Open **My computer** on your Windows desktop and double-click the corresponding removable disk to open the phone's file folder.
5. Copy files from the phone to the computer or vice versa.
6. When you have finished, close the disk.
7. Press <**Disconnect**> to exit Memory Disk mode.
8. Press <**Yes**> to confirm the exiting.

☑
- When the phone is in Memory Disk mode, all calls and messages are blocked.
- Use the Safely Remove Hardware programme from the Windows task bar for removing the USB cable from the computer; otherwise, the files may be corrupted and, thus, may not be played properly.

File manager *(Menu 8.4.2)*

Use this menu to manage files stored on the phone's memory. You can access the folders of your phone's memory and manage media files.

You can also use each file option when you press <**Menu**> with a file highlighted in a folder.

- **Erase**: erase the file.
- **Move**: move the file to another folder.

- **Copy**: copy the file to another folder.
- **Rename**: change the file name.

  ☑ Do not use special characters, such as /, :, *, ?, <, >, or \.

- **Create folder**: create a new folder.
- **Erase all**: erase all files.
- **File info**: access the file properties.
- **Assign**: set the image as your wallpaper for the idle screen, or the opening or closing image.
- **Set to ringer**: set the ring information.
- **Set wallpaper**: set your wallpaper for the idle scrren.
- **Copy to pbook**: copy the file to phonebook.

Memory status *(Menu 8.4.3)*

Use this menu to view the memory status of each folder in the phone.

Format *(Menu 8.4.4)*

Use this menu to format files saved in the **File manager** folder.

I.Beam *(Menu 8.5)*

Using the infrared port on the phone, you can use your phone as a remote controller, or send and receive data to and from other phones.

Remote control *(Menu 8.5.1)*

You can set up and use the phone as a remote controller for your TV or DVD player.

Tips for using your phone as a remote controller

- The IrDA ports on both devices must be facing each other within 8 meter.
- If your phone does not control the device properly, set up the remote control function again with a different number.
- The remote control function may not work, depending on the type or version of your device.

- If a decide has multiple functions, e.g., a VCR/DVD combo, the remote controller may not control both device functions.
- Do not use your phone as a remote controller in pubic places where it can interface with others.

Setting up the phone as a remote controller

1. Align the IrDA port on the phone with a device.
2. Scroll to **ROOM**, **LIVING**, or **ETC** and press <**Set**>.

   You can designate the area in which the device the phone will control is located.
3. Select the device type, **TV** or **DVD**.
4. Select a manufacturer of the device.
5. Scroll through the model numbers until you find the appropriate one.

   When you select the correct model number for your device, the device turns on or off.
6. Press <**Select**>.

Using the remote controller function

1. Align the IrDA port on the phone with the device.
2. Scroll to **ROOM**, **LIVING**, or **ETC**.

   ☑ You can turn on or off all of the devices you have registered to be remotely controlled by the phone at one time. Select the area you want to control and press <**Power all**>.
3. Press the number key corresponding to the device you are controlling.
4. Use the keys to control the device, referring to the image on the display.

Deactivating the remote controller

1. Align the IrDA port on the phone with the device.
2. Scroll to **ROOM**, **LIVING**, or **ETC** and press <**Set**>.
3. Scroll to the device type for which you want to deactivate remote control and press <**Menu**>.
4. Select one of the following options:
   - **Erase**: deactivate control of the selected item.

- **Erase all**: deactivate control of all of the items you have registered.

5. Press <**Yes**>.

File transfer *(Menu 8.5.2)*

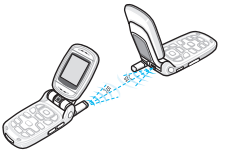
Using this menu, you can send or receive various data, such as Phonebook entries, name cards, photos via the IrDA port.

- For optimal communication, the IrDA ports between the two phones should be within close range of each other.
- If the phones use conflicting IrDA protocol, the IrDA ports may not work properly.
- If you are interrupted by an incoming call while transferring data, the data transfer may be interrupted.

Receiving data

1. Select **Receive mode**.
2. Select the memory location to which received data will be saved.
3. Align the IrDA ports between the phones, as shown. The IrDA port must be oriented within 15 degrees of each other.

   The received data is automatically saved in the corresponding folder.



4. When you have finished, press <**Select**>.

Sending data

1. Select one of **Send name card**, **Send phonebook**, or **Send my album**.
2. To send all data, select **All**. The data is sent.

   To send the selected data, select **Selection** or the file category. Continue to the next step.
3. Press <**Check**> to check the files you want.
4. Press <**Transmit**> or <**Transm**>.

Voice memo *(Menu 8.6)*

You can record and review voice memos.

Recording a voice memo

When there is no voice memo recorded, selecting the **Voice memo** initiates recording.

1. Record a memo by speaking into the microphone.

   While you are recording, a timer displays to show you the elapsed time.

   Press <**Pause**> to pause recording and then press <**Continue**> to resume.
2. Press <**Stop**> to end recording. The screen provides you with the following choices:
   - **Save**: save the voice memo.
   - **Re-record**: discard the current memo and record another one.
   - **Review**: play the voice memo. The screen displays the length of the memo.
3. When you are satisfied, select **Save**.
4. Enter a title for the memo and press <**OK**>.

Playing a voice memo

Once you have recorded voice memos, the latest memo displays when you access the **Voice memo** menu. Scroll to the voice memo you want and press <**Play**> to play the memo.

Using voice memo options

On the Voice memo screen, press <**Menu**> to access the following options:

- **New record**: record a new voice memo.
- **Play**: play the selected voice memo.
- **Erase**: erase the selected voice memo.
- **Erase all**: erase all voice memos.
- **Rename**: change the file name.
- **Speaker/Receiver**: play the selected voice memo using the speakerphone feature.

Task list *(Menu 8.7)*

Use this menu to enter up a list of tasks you need to do.

Creating a task

1. Enter the task content and press <**OK**>.
2. Enter the time by which your task needs to be done and press [Down].
3. Enter the date by which your task needs to be done and press [Down].
4. Select **!High** or **Low** priority.
5. Press <**Save**> to save the task.

Viewing a task

Select the task you want to view from the task list.

While viewing a task, press <**Menu**> to access the following options:

- **Add new**: add a new task.
- **Edit**: edit the selected task.
- **Erase**: erase the selected task.
- **Erase all**: erase all tasks.

Calculator *(Menu 8.8)*

Use this menu to use the phone as a calculator or a converter. The calculator provides the basic arithmetic functions: addition, subtraction, multiplication, and division.

1. Enter the first number.

   ☑ Use [*] to enter a decimal point and [#] to change the sign of a number to a negative (-).

2. Select the operation for your calculation by pressing the Navigation keys according to the illustration on the display.
3. Enter the second number.
4. Press <**OK**> to get the result.

☑ You can reset the calculator by pressing <**CE**>.

World time *(Menu 8.9)*

Use this menu to find out what time it is in another part of the world.

Viewing world time

Press the Navigation keys to scroll to the time zone you want to check.

Applying Daylight Savings Time (DST)

1. Scroll to the time zone to which you want to apply the DST, press <**DST**>.
2. Press <**Yes**>.

Countdown *(Menu 8.0)*

Use this menu to set a time and date for a future event and then check to see how many days, hours, and minutes remain before that event.

Creating a countdown timer

1. Enter the event for your countdown timer and press <**OK**>.
2. Enter the time from which you want to count down and press [Down].
3. Enter the date from which you want to count down.

☑ You can enter between 1981 and 2099 for the year.

4. Press <**Save**> to save the timer.

Viewing a countdown timer

Select a timer from the countdown timer list. The timer displays the specified date and time, and how many days and minutes remain until the event.

While viewing a timer, press <**Menu**> to access the following options:

- **Add new**: create a new timer.
- **Edit**: edit the selected timer.
- **Erase**: erase the selected timer.
- **Erase all**: erase all timers.

Memo pad *(Menu 8.∗)*

Use this menu to make memos of important things you need to remember.

Writing a new memo

1. Enter what you need to remember.
2. Press <**OK**> to save the memo.

Viewing a memo

Select the memo you want to view from the memo list.

While viewing a memo, press <**Menu**> to access the following options:

- **Add new**: add a new memo.
- **Edit**: edit the selected memo.
- **Erase**: erase the selected memo.
- **Erase all**: erase all memos.

Settings *(Menu 9)*

Many different features of your phone can be customised to suit your preferences.

To access this menu, press <**Menu**> in Idle mode and select **Settings**.

Auto answer *(Menu 9.1)*

This feature works only when the phone is connected to the headset. With this menu activated, the phone automatically answers calls after a specified time.

To activate this feature, set how long the phone waits before answering an incoming call.

Answer mode *(Menu 9.2)*

Use this menu to select how to answer an incoming call.

- **By send key**: the phone answers only when you press [ ], if necessary, open the phone.
- **By folder open**: the phone answers when you open the phone. If the phone is already open, press [ ].
- **By any key**: the phone answers when you press any key, except for the soft keys, [▲/▼] ,and [ ], if necessary, open the phone.

Auto redial *(Menu 9.3)*

Use this menu to set the phone to automatically redial the number when a connection fails.

Security *(Menu 9.4)*

Use this menu to protect your phone against unautorised use by managing the several access codes of your phone and the card.

To access the **Security** menu, you must enter the 8-digit lock code and press <**OK**>. It is preset to **00000000** at the factory.

Lock mode *(Menu 9.4.1)*

Use this menu to lock your phone.

- **Off**: deactivate Lock mode.
- **Once**: lock the phone just one time. Once the lock code is entered, the phone unlocks.
- **On**: lock the phone. Each time turning on the phone, you need to enter the lock code to use the phone.

In Lock mode, you cannot use phone's menu function and dial numbers, except for making an emergency call.

To unlock the phone, press one of the soft keys, [▲/▼], Navigation keys, [ ], [ ],[**MP3**] and [ ], enter the 8-digit lock code and press <**OK**>.

Change code *(Menu 9.4.2)*

Use this menu to change your current lock code to a new one. The lock code is preset to **00000000** at the factory.

1. Enter a new 4- to 8-digit lock code and press <**OK**>.
2. Enter the code once again and press <**OK**>.

Restriction *(Menu 9.4.3)*

Use this menu to restrict the use of your phone.

- **Dialled**: restrict outgoing calls from your phone, except emergency calls by standard emergency numbers, such as 100, 101 and 102 , or 3 programmed numbers in **Emergency numbers**.
- **Received**: restrict incoming calls.
- **Phonebook**: restrict use of Phonebook.

Emergency numbers *(Menu 9.4.4)*

Your phone provides the option of storing three emergency numbers. All of these numbers can be manually dialled at any time, even if your phone is locked, all outgoing calls are restricted, or the UIM card is not inserted.

Storing an emergency number

1. Select a location.
2. Press and hold [**CLR**] to clear the existing number.
3. Enter a number and press <**Save**> to save the number.

☑
- 100, 101, and 102 will remain as emergency numbers, even if you change them on the emergency number list.
- When the UIM card is not inserted, press <**SOS**> to dial the default emergency number, 100. The other numbers can be dialled manually.

Making an emergency call in Lock mode

Enter one of the programmed emergency numbers and press [ ].

Voice privacy *(Menu 9.4.5)*

Used only in digital networks, Voice Privacy encrypts the voice channel so that people cannot eavesdrop on your conversation. Use this menu to enable or disable Voice privacy.

- **Standard**: the phone uses a standard line for calls.
- **Enhanced**: the phone makes and receives calls on an encrypted high security line.

☑ This feature may not be available in all areas. Contact your service provider for details and its availability.

Clear memory *(Menu 9.4.6)*

Use this menu to erase Phonebook entries or messages stored on the UIM card and in phone's memory.

1. Select **Phonebook** or **Messages**.
2. Select the memory location you want to clear.
3. Press <**Yes**> to confirm the clearing.

Reset phone *(Menu 9.4.7)*

Use this menu to restore the default settings of all of user-selectable options or clear informations in the phone's memory.

1. Select a reset option.
   - **Functions only**: restore the default settings of all user-selectable options.
   - **All**: clear information stored in the phone's memory and restore the default settings of the options.

   ☑ When you reset your phone using the **Reset all** option, information stored on the UIM card, items stored in the **File manager** folder, and files stored in the My album folder does not reset.

2. Press <**Yes**> to confirm the reset. The phone reboots, turning itself off and then back on, and returns to Idle mode.

Card setup *(Menu 9.4.8)*

Use this menu to access the security options for the card.

- **PIN check**: activate the PIN check feature. You must enter the PIN assigned to your card each time you switch on the phone.
- **Change PIN**: change the PIN of your card to a new one, provided that the PIN check feature is enabled.
- **UIM lock**: set your phone to work with the current card only.

Entry method *(Menu 9.5)*

Use this menu to select the default text input mode.

Domains preset *(Menu 9.6)*

Your phone has domain name extensions that you can retrieve when composing a message. Use this menu to change default domain name extensions and add new domain name extensions, if necessary.

Contents status *(Menu 9.7)*

Use this menu to check the amount of the memory currently being used or memory remaining for media contents, such as applications, melodies, and images.

Rotation mode *(Menu 9.8)*

Use this menu to specify a feature to open automatically when you rotate the phone display. When you rotate the display, you can get a wide screen view, making the phone's entertainment features, such as camera, game, MP3 music, and VOD, that mush more enjoyable.

Airplane mode *(Menu 9.9)*

In an airplane, all calls are restricted for safety and you must turn off the phone. However, if you need to use your phone, except call functions, use Airplane mode which disables all call functions of your phone.

Solve problems

Help and personal needs

To save the time and expense of an unnecessary service call, perform the simple checks in this section before contacting a service professional.

When you switch on your phone, the following messages may appear:

"Card is empty. Insert card"

- Be sure that the card is correctly installed.

"PIN code"

- You are using your phone for the first time. You must enter the PIN supplied with the SIM card.
- The PIN check feature is enabled. Every time you make a call, the PIN has to be entered. To disable this feature, use the **PIN check** menu.

"No service," "Network failure," or "Not done" displays

- The network connection has been lost. You may be in a weak signal area. Move and try again.

- You are trying to access an option for which you have no subscription with your service provider. Contact the service provider for further details.

You have entered a number but it was not dialled

- Be sure that you have pressed [ ].
- Be sure that you have accessed the right cellular network.
- Be sure that you have not restricted outgoing calls.

Your correspondent cannot reach you

- Be sure that your phone is switched on. ([ ] pressed for more than one second.)
- Be sure that you are accessing the correct cellular network.
- Be sure that you have not restricted incoming calls.

Your correspondent cannot hear you speaking

- Be sure that you have switched on the microphone.
- Be sure that you are holding the phone close enough to your mouth. The microphone is located at the bottom of the phone.

The phone starts beeping and "Low battery warning!" flashes on the display

- Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

- Check the signal strength indicator on the display ( ). The number of bars indicates the signal strength from strong ( ) to weak ( ).
- Try moving the phone slightly or moving closer to a window if you are in a building.

No number is dialled when you re-call a Phonebook entry

- Use the **Find** menu to ensure the number has been stored correctly.
- Re-store the number, if necessary.

The battery doesn't charge properly or the phone sometimes turns itself off

- Wipe the charging contacts both on the phone and on the battery with a clean soft cloth.

If the above guidelines do not help you to solve the problem, take note of:

- The model and serial numbers of your phone
- Your warranty details
- A clear description of the problem
- Then contact your local dealer or Samsung after-sales service.

Health and safety information

Exposure to Radio Frequency (RF) Signals

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards that were developed by independent scientific organizations through periodic and through evaluation of scientific studies.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless phones employs a unit of measurement known as Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6W/kg*.

SAR tests are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID printed in the label on the phone.

* In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

For Body Operation

For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung-supplied or approved accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum from the body.

- The minimum distance from the body for this model phone is written in the FCC certification information.
- Non compliance with the above conditions may violate FCC RF exposure guidelines.
- For more Information concerning exposure to radio frequency signals, see the following websites:
- Federal Communications Commission (FCC) http://www.fcc.gov/oet/rfsafety
- Cellular Telecommunications Industry Association (CTIA): http://www.wow-com.com
- U.S.Food and Drug Administration (FDA) http://www.fda.gov/cdrh/consumer
- World Health Organization (WHO) http://www.who.int/peh-emf/en

Precautions When Using Batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time, including talk time and standby time, is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.

- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and – terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, make sure that you are following the special regulations in a given area or country.

Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic Devices

Most modern electronic equipment are shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer of the device to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on;
- should not carry the phone in a breast pocket;
- should use the ear opposite the pacemaker to minimise potential interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch off your phone in any facility where posted notices require you to do so.

Potentially Explosive Atmosphere

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location. Emergency numbers vary by location.
3. Press [ ].

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

- Switch off your phone before boarding an aircraft. The use of wireless phones in aircraft may be dangerous to the operation of the aircraft, and is illegal.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep your phone and all its parts and accessories out of the reach of small children and pets. They may accidentally damage these things or choke on small parts.
- Keep the phone dry. Precipitation, humidity, and liquids contain minerals that corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock, or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, stove, or radiator. The phone may explode when overheated.
- When the phone or battery gets wet, the label indicating water damage inside the phone changes colour. In this case, phone repairs are no longer guaranteed by the manufacturer's warranty, even if the warranty for your phone has not expired.
- If your phone has a flash or light, do not use it too close to the eyes of people or animals. This may cause damage to their eyes.
- Use only the supplied or an approved replacement antenna. Unauthorised antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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U.S Patent No. 4,901,307 5,056,109 5,099,204
5,101,501 5,103,459 5,107,225
5,109,390

* Depending on the software installed or your service provider or country, some of the descriptions in this guide may not match your phone exactly.
* Depending on your country, your phone and accessories may appear different from the illustrations in this guide.

SAMSUNG ELECTRONICS

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